



# DET NORSKE VERITAS

## EC TYPE-EXAMINATION CERTIFICATE

*Application of:* Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

**CERTIFICATE NO. MED-B-4072**

This Certificate consists of 3 pages

*This is to certify that the product*  
**Fire Doors**

*with the type designation(s)*  
**ALVEDOOR A-15**

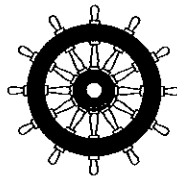
*Manufactured by*  
**Alvedoor AB**  
ALVESTA, Sweden

*is found to comply with the requirements in the following Regulations/Standards:*  
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/9.4.1.1.2, II-2/9.4.1.2.1 & II-2/9.4.2 and IMO FTP Code

*Further details of the product and conditions for certification are given overleaf.*

*Place and date*  
Høvik, 2006-12-12  
for DET NORSKE VERITAS AS

**Tore Morten Wetterhus**  
Manager, MTPNO370  
Department Systems & Components



Notified Body No. 0575

DNV local office:  
DNV Gothenburg

*This Certificate is valid until*  
2011-12-12

**Rolf Emilsen**  
Surveyor



*Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.*

*The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.*

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: MED-B-4072  
Job Id.: 344.1-000658-1  
File No.: A.1/3.16

## Product description

### “ALVEDOOR A-15”

single leaf hinged door with door blade made from 1.5 mm steel sheet, insulated with 36 mm Mineral wool, type “Paroc 1318” of density 40 kg/m<sup>3</sup>. The door may be fitted with a hose port and/or a window, type “Pyrostop 60 -10 G II”, of max. dimensions 395 mm x 395 mm. The door frame is made of 4 mm steel sheets, which may be bolted or welded to the bulkhead. Total thickness of door blade, 39 mm.

## Applications/Limitations

Approved for use as an integrated part of fire retarding divisions class A-15.  
Max size of clear opening: 1000 mm x 2100 mm (w x h).

The door may be fitted with a concealed door closer with type designation “Gexe Boxer”.

The insulation and any surface materials used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Each product is to be supplied with its manual for installation and use.

## Type Examination documentation

Test report File No. PG10689 Serial No. 7706 dated 4 September 2000 from DIFT, Copenhagen, Denmark.

Assessment WFRC No. 118314 dated 26 March 2001 from Warrington Fire Research, UK.

Drawings:

D201303 and C201304 dated 29 May 2000,

C201297A dated 11 May 2000,

B201319 dated 15 August 2000,

C201307 dated 13 June 2000,

B201376 dated 30 March 2001 (Bolted installation),

C201368 dated 14 March 2001 (Bolted or welded installation),

B201670 dated 15 September 2003 (Geze Boxer door closer).

Tested according to IMO FTPC Part 3 (IMO Res. A.754(18)).

## Marking of product


The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG approval (see page 3).





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### Mark of conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

- Module D: The quality system for production and testing shall be approved by the Notified Body.
- Module E: The quality system for inspection and testing shall be approved by the Notified Body.
- Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

### USCG Approval

An U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of certificates of conformity for marine" signed 17 October 2005.

END OF CERTIFICATE

